

# Index to Volume 5

ABDOLLAHI, H., NEDWELL, D. B.: Temperature as a Factor Influencing Bacterial Sulfate Reduction in a Saltmarsh Sediment .....	73
ABRAM, J. W.: See NEDWELL, D. B. ....	67
ALEXANDER, M.: See GRANT, I. F., <i>et al</i> .....	85
ANSBAEK, J., BLACKBURN, T. H.: A Method for the Analysis of Acetate Turnover in a Coastal Marine Sediment .....	253
BANCROFT, K.: See GRANT, I. F. <i>et al</i> .....	85
BIANCHI, M. A.: See MARTIN, Y. P. ....	265
BITTON, G.: Book Review, <i>Indicators of Viruses in Water and Food</i> . By G. Berg, editor ...	149
BLACKBURN, T. H.: See ANSBAEK, J. ....	253
CALDWELL, B. A., HAGEDORN, C., DENISON, W. C.: Bacterial Ecology of an Old-Growth Douglas Fir Canopy .....	91
CLEYET-MAREL, J. C.: See JOSSERAND, A. ....	197
CROSS, R.: See ROBB, F. <i>et al</i> .....	167
DAVIES, B. R.: See ROBB, F. <i>et al</i> .....	167
DENISON, W. C.: See CALDWELL, B. A. <i>et al</i> .....	91
DOLFING, J.: See ZEVENHUIZEN, L. P. T. M. <i>et al</i> .....	139
DUCKLOW, H. W.: Book Review, <i>Microbial Ecology</i> . By R. Campbell .....	243
DUCKLOW, H. W., MITCHELL, R.: Observations on Naturally and Artificially Diseased Tropical Corals: A Scanning Electron Microscope Study .....	215
EILAND, F., NIELSEN, B. S.: Influence of Cation Content on Adenosine Triphosphate Determinations in Soil .....	129
ESHUIS, E. J.: See ZEVENHUIZEN, L. P. T. M. <i>et al</i> .....	139
GATES, J. E., PHAM, K. D.: An Indirect Fluorescent Antibody Staining Technique for Determining Population Levels of <i>Thiobacillus ferrooxidans</i> in Acid Mine Drainage Waters .....	121
GOLDMAN, J.: Book Review, <i>Environmental Biogeochemistry and Geomicrobiology</i> . By W. E. Krumbein, editor .....	147
GOLDMAN, J. C.: Temperature Effects on Steady-State Growth, Phosphorus Uptake, and the Chemical Composition of a Marine Phytoplankter .....	153
GRANT, I. F., BANCROFT, K., ALEXANDER, M.: SO <sub>2</sub> and NO <sub>2</sub> Effects on Microbial Activity in an Acid Forest Soil .....	85
GÜDE, H.: Grazing by Protozoa as Selection Factor for Activated Sludge Bacteria .....	225
HAGEDORN, C.: See CALDWELL, B. A. <i>et al</i> .....	91
HAZEN, T. C.: Ecology of <i>Aeromonas hydrophila</i> in a South Carolina Cooling Reservoir ...	179
HEED, W. B.: See Vacek, D. C. <i>et al</i> .....	43
HEALEY, F. P.: The Slope of the Monod Equation as an Indicator of Advantage in Nutrient Competition .....	281
HÖFLE, M. G.: Effects of Sudden Temperature Shifts on Pure Cultures of Four Strains of Freshwater Bacteria .....	17
HOWARD-WILLIAMS, C.: See ROBB, F. <i>et al</i> .....	167
INNISS, W. E., MAYFIELD, C. I.: Effect of Temperature on Violacein Production in a Psychrotrophic <i>Chromobacterium</i> from Lake Ontario Sediment .....	51
JØRGENSEN, B. B.: See SØRENSEN, J. <i>et al</i> .....	105
JOSSERAND, A., CLEYET-MAREL, J. C.: Isolation from Soils of <i>Nitrobacter</i> and Evidence for Novel Serotypes Using Immunofluorescence .....	197
KARYDIS, M.: Uptake of Hydrocarbons by the Marine Diatom <i>Cyclotella cryptica</i> .....	287
KENYON, C.: See ROBB, F. <i>et al</i> .....	167
LA RIVIERE, J. W. M.: Book Review, <i>Advances in Microbial Ecology</i> . By M. Alexander, editor .....	239
LOEB, G. I.: Book Review, <i>An Introduction to Microscopy by Means of Light, Electrons, X-Rays, or Ultrasound</i> . By T. G. Rochow and E. G. Rochow, editors .....	241
MAIER, S., PREISSNER, W. C.: Occurrence of <i>Thioploca</i> in Lake Constance and Lower Saxony, Germany .....	117

MAKBOUL, H. E., OTTOW, J. C. G.: Michaelis Constant ( $k_m$ ) of Acid Phosphatase as Affected by Montmorillonite, Illite, and Kaolinite Clay Minerals .....	207
MARSHALL, K. C.: See STALEY, J. T. <i>et al</i> .....	245
MARTIN, Y. P., BIANCHI, M. A.: Structure, Diversity, and Catabolic Potentialities of Aerobic Heterotrophic Bacterial Populations Associated with Continuous Cultures of Natural Marine Phytoplankton .....	265
MAYFIELD, C. I.: See INNISS, W. E. ....	51
MCKINLEY, K. R., WETZEL, R. G.: Photolithotrophy, Photoheterotrophy, and Chemoheterotrophy: Patterns of Resource Utilization on an Annual and a Diurnal Basis within a Pelagic Microbial Community .....	1
MITCHELL R.: See DUCKLOW H. W. ....	215
NEDWELL D. B., ARAM J. W.: Relative Influence of Temperature and Electron Donor and Electron Acceptor Concentrations on Bacterial Sulfate Reduction in Saltmarsh Sediment .....	67
NEDWELL, D. B.: See ABDOLLAHI H. ....	73
NIELSEN, B. S.: See EILAND, F. ....	129
NORDBRING-HERTZ, B.: Book Review, <i>The Nematode-Destroying Fungi. Topics in Mycobiology</i> . By G. L. Barron .....	81
NURMIAHO, E.-L.: See TUOVINEN, O. H. ....	57
OTTOW, J. C. G.: See MAKBOUL, H. E. ....	207
PHAM, K. D.: See GATES, J. E. ....	121
PHILLIPS, M. J.: See PEARCE, T. G. ....	313
PEARCE, T. G., PHILLIPS, M. J.: The Fate of Ciliates in the Earthworm Gut: An <i>in Vitro</i> Study .....	313
PREISSNER, W. C.: See MAIER, S. ....	117
REVSBECH, N. P.: See SORENSEN, J. <i>et al</i> .....	105
ROBB, F., DAVIES, B. R., CROSS, R., KENYON, C., HOWARD-WILLIAMS, C.: Cellulolytic Bacteria as Primary Colonizers of <i>Potamogeton pectinatus</i> L. (Sago Pond Weed) from a Brackish South-Temperate Coastal Lake .....	167
SCHOLTEN-KOERSELMAN, I. J.: See ZEVENHUIZEN, L. P. T. M. <i>et al</i> .....	139
SJOBLAD, R. D.: Book Review, Soil Organisms as Components of Ecosystems .....	83
SKERMAN, V. B. D.: See STALEY, J. T. <i>et al</i> .....	245
SØRENSEN, J., JØRGENSEN, B. B., REVSBECH, N. P.: A Comparison of Oxygen, Nitrate, and Sulfate Respiration in Coastal Marine Sediments .....	105
STALEY, J. T., MARSHALL, K. C., SKERMAN, V. B. D.: Budding and Prosthecae Bacteria from Freshwater Habitats of Various Trophic States .....	245
STARMER, W. T.: See VACEK, D. C. <i>et al</i> .....	43
TAN, T. L.: Effect of Long-Term Lead Exposure on the Seawater and Sediment Bacteria from Heterogeneous Continuous Flow Cultures .....	295
TANNOCK, G. W.: See WESNEY, E. ....	35
TANNOCK, G. W.: Coliforms and Enterococci Isolated from the Intestinal Tract of Conventional Mice .....	27
TATE, R. L. III: Effect of Several Environmental Parameters on Carbon Metabolism in Histosols .....	329
TU, C. M.: Influence of Five Pyrethroid Insecticides on Microbial Populations and Activities in Soil .....	321
TUOVINEN, O. H., NURMIAHO, E.-L.: Microscopic Examination of Bacteria in Fe(III)-Oxide from Ground Water .....	57
VACEK, D. C., STARMER, W. T., HEED, W. B.: Relevance of the Ecology of <i>Citrus</i> Yeasts to the Diet of <i>Drosophila</i> .....	43
WESNEY, E., TANNOCK, G. W.: Association of Rat, Pig, and Fowl Biotypes of Lactobacilli with the Stomach of Gnotobiotic Mice .....	35
WETZEL, R. G.: See MCKINLEY, K. R. ....	1
ZEVENHUIZEN, L. P. T. M., DOLFING, J., ESHUIS, E. J., SCHOLTEN-KOERSELMAN, I. J.: Inhibitory Effects of Copper on Bacteria Related to the Free Ion Concentration ....	139

